



TITLE:

## Cover & Contents

AUTHOR(S):

---

CITATION:

Cover & Contents. Bulletin of the Institute for Chemical Research, Kyoto University 1953, 31(5)

ISSUE DATE:

1953-09-30

URL:

<http://hdl.handle.net/2433/75369>

RIGHT:

# BULLETIN OF THE INSTITUTE FOR CHEMICAL RESEARCH

KYOTO UNIVERSITY

Vol. 31    No. 5

*Published bi-monthly by*

THE INSTITUTE FOR CHEMICAL RESEARCH  
KYOTO UNIVERSITY  
KYOTO, JAPAN

September, 1953

*(Bull. Inst. Chem. Res., Kyoto Univ.)*

# INSTITUTE FOR CHEMICAL RESEARCH KYOTO UNIVERSITY

## Director

Senji UCHINO

## Members of Council

Kiyoshi ABE	Rempei GOTO	Masao HORIO
Katashi INOUE	Yoshiyuki INOUE	Masayoshi ISHIBASHI
Tatsuo KARIYONE	Hideo KATAGIRI	Kiichi KIMURA
Ren KIMURA	Shinjiro KODAMA	Kinsuke KONDO
Sango KUNICHIKA	Hisateru MITSUDA	Risaburo NAKAI
Ryuzaburo NOZU	Ryohei ODA	Kikuo OGIU
Ichiro SAKURADA	Nobuji SASAKI	Ikutaro SAWAI
Hiroshi SAWAMURA	Sakae SHIMIZU	Keiichi SHISHIDO
Eiji SUITO	Isamu TACHI	Hideo TAKAKI
Seishi TAKAGI	Tetsuro TANAKA	Sankichi TAKEI
Yoshimasa TAKEZAKI	Waichiro TSUJI	Hideki YUKAWA

## Editors

Junzo EBIHARA	Naokazu KOIZUMI	Risaburo NAKAI
Gisaburo TABUCHI	Yoshimasa TAKEZAKI	Teiji TSURUTA

## Treasurers

Hideo KANO      Yagoro KAWAI

## History of Publications

Term	Vol.	Title	Published
Jan., 1929- Dec., 1947	1-16	化学研究所講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
April, 1938	—	10 Jahre Institut für chemische Forschung (化学研究所創立十周年記念号)	—
March, 1949- Dec., 1949	17-19	化研講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
March, 1950- Sept., 1952	20-30	化学研究所報告 (Bulletin of the Institute for Chemical Research)	Quarterly
Dec., 1951	—	The Commemoration Volume for the Silver Jubilee (化学研究所創立二十五周年記念号)	—
Jan., 1953 onwards	31 No. 1-	Bulletin of the Institute for Chemical Research (化学研究所報告)	Bi-monthly

# CONTENTS

## Review

Sango KUNICHIKA : Cyclopolyolefins Derived from Acetylene .....	323
---	-----

## Original Reports

1. Hideo TAKAKI, Masashige KOYAMA and Hidekiyo FUJIHARA : Preparation of Tin Crystals.....	337
2. Ikutaro SAWAI and Megumi TASHIRO : Studies on the Method of Batch Analysis .....	345

## Abstracts of Papers

1. Eiji SUITO and Natsu UYEDA : Crystal Structure Analysis of the "Trigon" Particles of Colloidal Gold by a Three-Stage Electron Microscope .....	359
2. Eiji SUITO and Natsu UYEDA : Thickness of the "Trigon" Particles of Gold Sol by Electron Diffraction Method .....	361
3. Eiji SUITO and Kazuyoshi TAKIYAMA : Formation and Aging of Precipitates. (IV). Observation of the Gel and the Gelatinous Precipitate by Electron Microscope .....	363
4. Masayoshi ISHIBASHI, Eiji SUITO, Kazuyoshi TAKIYAMA and Kiichi SEKIDO : Morphology of Organometallic Precipitates by Electron Microscope .....	365
5. Eiji SUITO, Masafumi ARAKAWA and Nobuo BANBA : Sedimentation Analysis of Powders. (III). Effect of Peptisers for Calcium Carbonate Suspension .....	368
6. Eiji SUITO, Masafumi ARAKAWA and Teru ARAKAWA : Sedimentation Analysis of Powders. (IV). Dispersion Agents for Cement Powder.....	369
7. Eiji SUITO, Kazuyoshi TAKIYAMA and Makoto TAKAHASHI : Formation of Ultrafine Powders. (IV). Barium Carbonate by Carbonation Method .....	372
8. Ikutaro SAWAI and Megumi TASHIRO : A Method of Sampling for Obtaining the Daily Average of Batch Composition .....	374
9. Megumi TASHIRO, Sumio SAKKA and Hiroshi TERANISHI : Effect of Vanadium Oxide on the Strength of Adherence of Heat-Resisting Enamel Applied on Nickel-Chrome Stainless Steel.....	375
10. Ryohei ODA and Tatsuya SHONO : On the Synthesis of Alkylphosphonyldichloride .....	377
11. Ryohei ODA and Mototeru NOMURA : On the Transjointing Reactions of Jointed Compounds .....	378

12. Ryuzaburo NODZU, Sango KUNICHIKA and Toshizo ISOSHIMA : Reaction of Ketene with Silk .....	380
13. Toshizo ISOSHIMA : Reaction of Ketene with Ethylacetoacetate .....	382
14. Hideo KATAGIRI and Chuji TATSUMI : Studies on the Alcoholization of Cellulose Materials. (VIII). Methods of Paper Chromatography of Sugars in Saccharified Solutions of Mulberry-tree .....	384
15. Senji UTZINO and Ryokuero SUZUE : Studies on the Urinary Phosphatase .....	385
16. Tatsuo KARIYONE and Takuo OKUDA : Studies on the Components of Japanese Toxic Plants. (I). On the Toxic Components of <i>Coriaria</i> <i>Japonica</i> .....	387

## 編 集 後 記

御承知の如く化研報告は本年より年6回隔月刊行となつて居ります。幸い諸氏の御協力により順調に運び、茲に31巻5号を刊行致しました。英文要旨は去る6月5日及び6日の両日京都で行われました本研究所業績発表講演会に於ける講演要旨の前半であります。

前号の後記でお報せしました「投稿に関する注意書」ができました。今後は特にこの意書の規定に従つて投稿されることを希望致します。

次号には大岩氏の綜報を掲載の予定であります。

(小泉)

### 化学研究所報告第31巻第5号

昭和28年9月25日 印刷  
昭和28年9月30日 発行 (非売品)

大阪府高槻市古曾部  
京都大学化学研究所

編集兼発行人 内 野 仙 治

京都市上京区寺之内通小川西入  
印刷所 山代印刷株式会社

京都市上京区寺之内通小川西入  
印刷者 山 代 多 三 郎

京 都 大 学  
化学研究所報告

第 31 卷 第 5 号

(通卷第 35 集)

1953 年 9 月

綜 報

Sango KUNICHIKA: Cyclopolyolefins Derived from Acetylene ..... 323

原 報

1. Hideo TAKAKI, Masashige KOYAMA and Hidekiyo FUJIHIRA: Preparation of Tin Single Crystals ..... 337
2. Ikutaro SAWAI and Megumi TASHIRO: Studies on the Method of Batch Analysis ..... 345

研究報告 (1~16)..... (359~387)

京都大学化学研究所

(化研報 31 卷 5 号)